

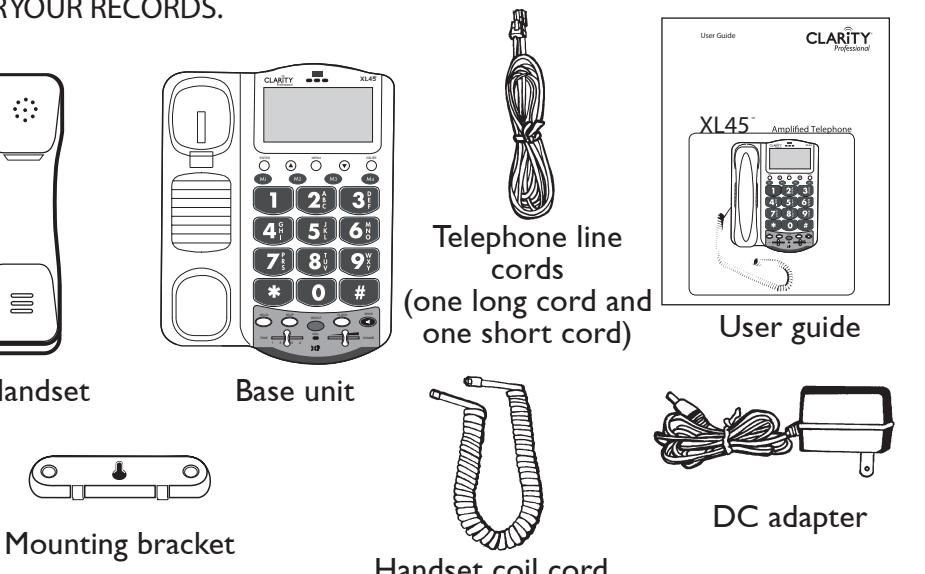
USER GUIDE

XL45™ Amplified Telephone with CID and DCP™

www.ActiveForever.com

CONTENTS & PARTS CHECKLIST

Your package includes all the items as shown here. If there is anything missing, please contact our Customer Care Department immediately.
NOTE: PLEASE RETAIN A COPY OF PROOF OF PURCHASE FOR YOUR RECORDS.



SECTION 1

INSTALLING YOUR XL45

Install the backup batteries (optional) by removing the battery cover as shown in Figure 1. Connect your telephone as shown in Figure 2.

1. Connect one end of the phone cord into the (square) LINE port on the back of the phone; connect the other end of the phone cord into your wall telephone outlet.
2. Connect one end of the (curly) handset cord into the handset jack on the left side of your base; connect the other end of the handset cord into the bottom of the handset. Place handset in cradle.
3. Connect the DC adapter cord into the (round) DC 9V 500mA port on the back of your phone; plug the adapter into your wall electrical outlet. When finished, lift handset to test. If you hear a dial tone, your telephone is ready for use. If not, check all connections again.

Figure 2

Figure 1

Remove battery cover using a thin object (like the tip of a pen) to push down the tab shown by the arrow above.

If there is a power outage, the XL45 will maintain its full amplification for up to 48 hours with four AA alkaline backup batteries (not included).

The phone operates as a regular phone if there is no power or backup batteries. In this case, the indicator lights, the loud ringer, the lighted keypad and the amplification will be disabled; you will still be able to make and receive phone calls, but the extra amplification will not be engaged. We recommend installing batteries if you live in an area with frequent power outages.

WALL MOUNTING YOUR XL45

1. Pull the handset hook out of the base and reverse its position so that the hook points up and will hold the handset when you hang up. See Figure 3.
2. Plug one end of the short telephone line cord into the jack marked LINE located on the back of the telephone. Then run the cord through the groove on the back of the phone. Insert the tabs of the mounting bracket into the slots in the back of the phone. Push the mounting bracket in and down firmly until it snaps into place. See Figure 4.
3. Plug the telephone line cord into the wall plate jack, then align the mounting bracket's keyhole slots with the wall plate studs and slide the base of the phone downward to secure it on the wall. See Figure 5.

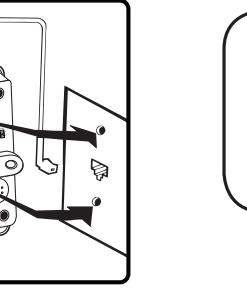
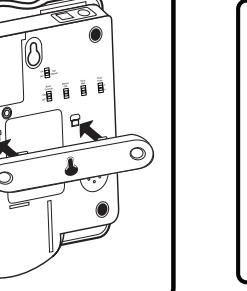
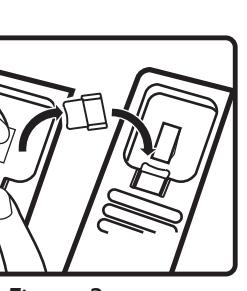


Figure 3

Figure 4

Figure 5

SECTION 6

MENU OPTIONS

There are three main menu options on the XL45:
CID, Memory Dial, and Language.

To switch from one main menu option to the next, press the down arrow.

Note: if you wish to return to the standby screens at any time, press the MENU key.

CALLER ID OPERATIONS

Caller ID Operations
This is a service that is provided through your local telephone company. This telephone will automatically display the incoming caller's name and number along with the date and time of the call. It will record up to 40 calls.

When there is a new incoming call the CID information will display on the second ring. The first row on the display will have the caller's ID (name). If there is no information, the row will be blank. The second row displays the incoming telephone number. If the number is longer than 11 digits, the LCD will toggle the displayed number between the first 11 digits and the remaining digits.

Note: The time and date will automatically register after receiving your first call.

View CID

To view CID information press the MENU button. "View CID?" will display with the options of "1 Yes 2 No". Select "Yes" by pressing the one (1) button and the most recent incoming call will be displayed. Press the down arrow to view the next CID entry.

If there are no new calls the screen will display "No Calls". You can also access the CID records by pressing UP or DOWN keys from the standby screen. See Figure 10.

Note: The display will time out and go to the standby screen if you have not made a selection within 30 seconds.

Note: You can view the CID list by pressing either the UP or DOWN key from standby (idle) mode.

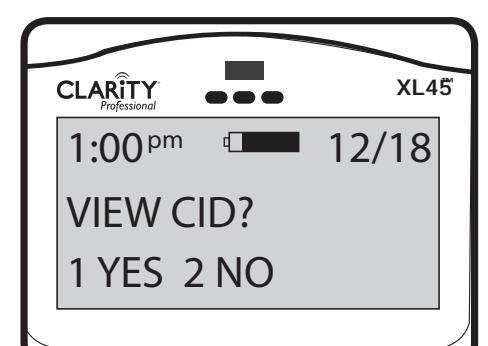


Figure 10

SECTION 7

CALLER ID OPERATIONS

Formatting and Calling from CID

To format and/or make a call from the CID entry, select the desired CID entry and press the enter button. "Pick Format" will appear on screen first, then "Press UP/DN" will appear. Using the arrow keys, choose the desired format for the CID number, and press the Enter button. See Figure 11 and Figure 12.

Note: A seven digit number will not display the area code. A 10 digit number will display the area code without the one. The 11 digit number will display the number, area code plus the one.

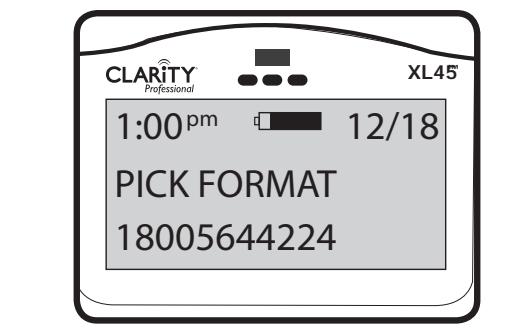


Figure 11

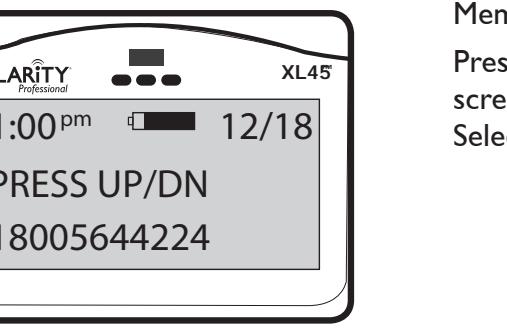


Figure 12

The next screens that will display are "Call Number?" and "1 Yes 2 No" with your chosen formatted number. See Figure 13 and Figure 14.

If you select "Yes" the CID entry will then be dialed. If you select "No" the CID will format and show the CID information.

NOTE: Saving a CID record to a MemDial button that is not blank will overwrite the previously saved name/number without prompting.



Figure 13

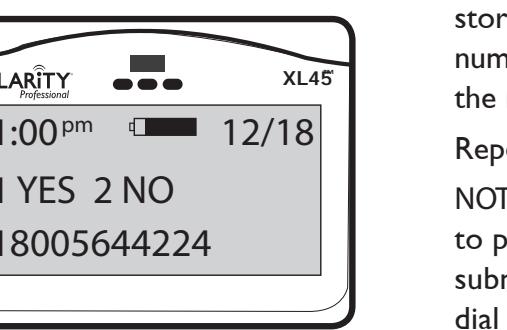


Figure 14

To store any CID record to one of the memory keys, do the following:

1. Pick the correct dialing format by following the steps above;
2. Press ENTER;
3. Choose "2" (No) when asked if you want to dial the number; the record with the correct dialing format will be displayed on the screen.
4. Press and hold the memory key you wish to use for this record.

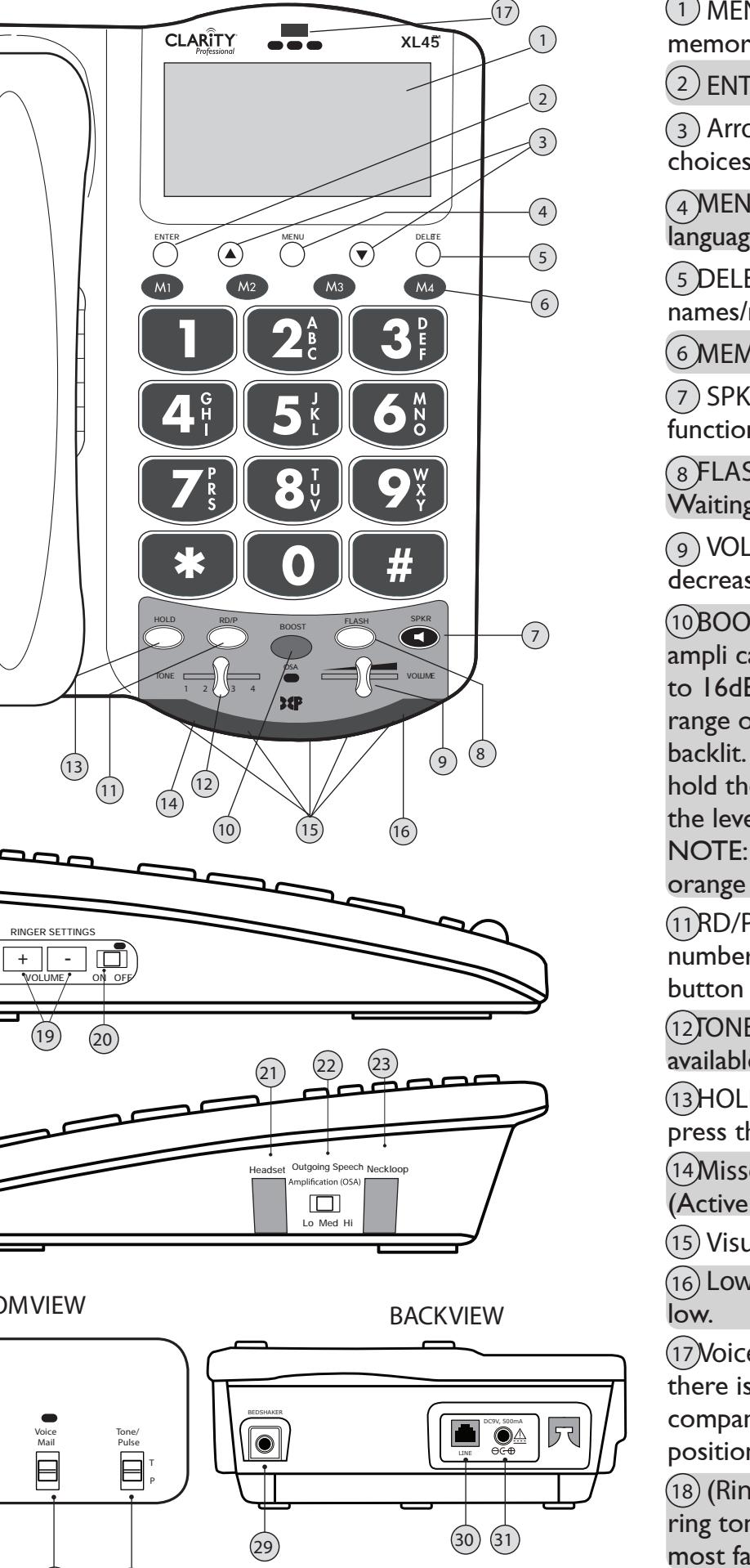
You are able to change the name of the record before storing it in the memory keys. Press DEL to delete the displayed name, then use the keypad to enter your custom name. (To introduce a space, press "1").

The phone beeps, the display shows "Num Stored", and the record is stored.

Figure 10

SECTION 2

FEATURE LIST AND OVERVIEW



SECTION 3

FEATURE LIST AND OVERVIEW

1. MENU screen: press to show the CID information, check the memory records, get information about the volume and tone levels, etc.
2. ENTER button: press to confirm choices listed on the screen.
3. Arrow buttons (UP/DOWN): press to navigate through the menu choices, CID and memory records.
4. MENU button: press to access the menu for CID/memory checking, language setup.
5. DELETE button: press to delete CID/memory records, and to edit names/numbers.
6. MEMORY buttons: for saved numbers (see MEMORY STORAGE).
7. SPKR (Speaker) Button: press SPKR to engage the speakerphone function; press again to turn the feature off.
8. FLASH Button: use this button to engage the Call Waiting/Call Waiting Caller ID function (feature provided by local phone company).
9. VOLUME Slider: move to right or left in order to increase or decrease the volume of the incoming voice.
10. BOOST/OSA Button: press BOOST to engage the extra amplification. In BOOST OFF mode, the phone has a volume range of up to 16dB of amplification. In BOOST ON mode, the phone has a volume range of up to 50dB of amplification. When active, the BOOST button is backlit. Press BOOST again to turn off the extra amplification. Press and hold the button for 3 seconds to engage the OSA function (to enhance the level of your voice). See OSA section for details.
11. RD/P (Redial/Pause) Button: use this button to redial the last number dialed (up to 32 digits). When in programming mode, press this button to insert a 2-second pause.
12. TONE Switch: use this switch to pick one of the 4 tone setting available.
13. HOLD Button: during a call, use this button to put the call on hold; press the button again to release the call from hold.
14. Missed Call light: light turns on when there was an unanswered call. (Active when Missed Call switch is ON - located on bottom of phone).
15. Visual Ringer Lights: lights turn on and off when the phone rings.
16. Low Battery Indicator: light turns on when the backup batteries are low.
17. Voice Mail/Ringer/VOICE light: a. Light turns on GREEN when there is a voicemail left with your voicemail feature (from local phone company). b. Light turns RED when the ringer switch is in the OFF position. c. Light turns ORANGE when the VOICE feature is active.
18. (Ringer) TONE: press this button to choose the desired incoming ring tonality. Choose one of the six (6) available ring tones to select the most favorable ringer.

SECTION 4

FEATURE LIST AND OVERVIEW

19. (Ringer) Volume +/- : press the keys to increase/decrease the volume of the incoming ring.
20. (Ringer) ON/OFF switch: use this switch to turn the ringer on or off. When the switch is set to OFF, the light at the top of the phone lights up RED.
21. Headset port: insert a standard headset (2.5mm plug) to use instead of handset.
22. Outgoing Speech Amplification (OSA) switch : use the switch to set the level of the outgoing speech amplification level. To enable/disable the OSA switch, press and hold the BOOST/OSA button for 3 seconds (see OSA section).
23. Neckloop port: insert a standard neckloop (mono, 3.5mm plug) to use with your T-coil equipped hearing aid. We recommend the Clarity CE30 neckloop.
24. Talk Keypad switch: set to ON if you wish to hear the numeric keys pressed during dialing - both in handset and speakerphone modes. NOTE: "star" and "pound" keys are not spoken.
25. Boost Override switch: set to ON if you wish for the BOOST function to be enabled at the beginning of all calls.
26. Missed Call switch: set to ON if you wish to have the Missed Call light enabled.
27. Voice Mail switch: set to ON if you wish for the light at the top of the phone to turn green when you have a voice mail (service from your phone service provider).
28. Tone/Pulse switch: set this switch to the desired dialing method.
29. BEDSHAKER port: insert the optional bedshaker (sold separately) will vibrate to indicate incoming rings.
30. LINE: see INSTALLING YOUR XL45 section.
31. POWER PORT (9V/500mA): see INSTALLING YOUR XL45 section.

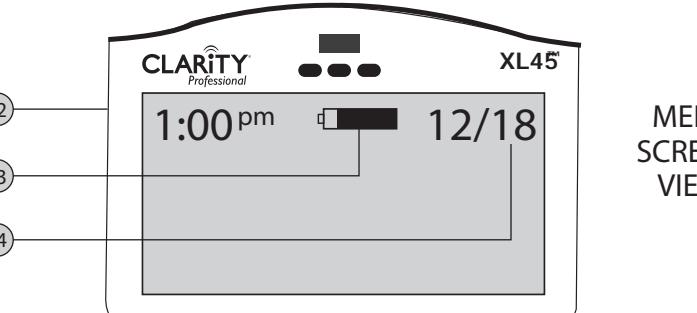


Figure 6
Boost Override

MENU SCREEN VIEW

SECTION 5

BOOST FUNCTION - AMPLIFY INCOMING SOUNDS

1. While on a call, press the BOOST button to engage the amplifier. The XL45 has a BOOST button that controls the loudness of the receiver. See Figure 6. Once the BOOST button is pressed, an extra level of amplification is added over the entire range of the Volume Control. During a call, the BOOST button can toggle the Clarity Power function on or off according to the user's needs. The BOOST button will reset automatically every time the phone is hung up for at least 5 seconds. The BOOST light will illuminate (blue) while the BOOST function is activated.

Warning: Volume may be at a high level. To protect hearing, lower the Clarity Power Volume Control before using the phone.

2. Adjust the VOLUME slider to achieve the desired sound level (up to 50dB of amplification). The Clarity Power Volume Control adjusts the level of volume the handset both in Boost or non-Boost modes. The volume dial provides up to 16dB of volume before the BOOST button is activated. Once the BOOST button is pressed, the XL45 will provide up to 50dB of gain. See Figure 7.

3. Adjusting the TONE switch allows you to customize your hearing experience. Since we all have different hearing preferences we suggest exploring each setting to find the one most comfortable for you. These four settings, along with our volume amplification, are part of the Digital Clarity Power (DCP™) technology. See Figure 8. The available settings are:

1. Low Frequency emphasis: best used to hear low pitched;
2. Flat frequency response: best for hearing aid users;
3. Clarity Power/High frequency emphasis response: best used to hear high frequency sounds;
4. Multi Band Compression with high frequency emphasis response: best setting for speech intelligibility.

NOTE: The screen displays the volume and tone levels.

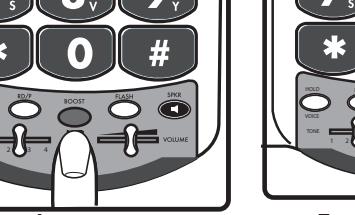


Figure 7

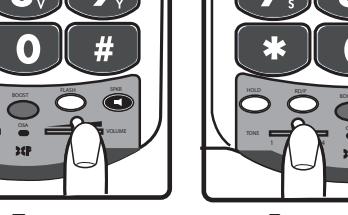


Figure 8

SECTION 6

MEMORY STORAGE

Phone numbers can be stored into the phone's memory to enable one button dialing. The phone directory allows space for four (4) different phone numbers.

It is important to not store 911 into your phone. This will prevent inadvertently calling an emergency call center. Only store emergency numbers such as a doctor, hospital, the local fire department or police station numbers.

Programming/Editing the Memory Dial Buttons

This feature will allow the user to program or edit numbers in the 4 (four) Memory Dial locations or make changes to the current programmed numbers. Press the MENU button then press the down arrow to the "View MemDial" screen. See Figure 15. You will have the option of choosing "Yes" or "No". Select "Yes" by pressing the one (1) button.

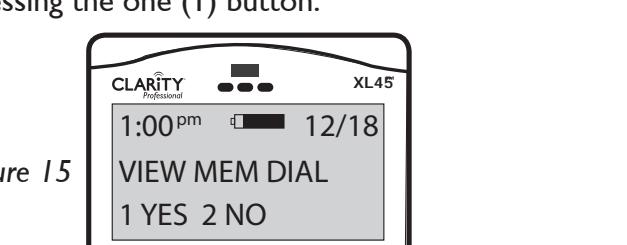


Figure 15

The next screens that will display are "Call Number?" and "1 Yes 2 No" with your chosen formatted number. See Figure 13 and Figure 14.

If you select "Yes" the CID entry will then be dialed. If you select "No" the CID will format and show the CID information.

NOTE: Saving a CID record to a MemDial button that is not blank will overwrite the previously saved name/number without prompting.

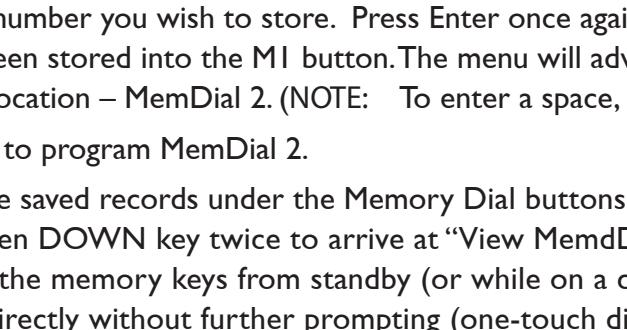


Figure 13

Figure 14

1. Use the Delete button and delete MemDial 1 or name stored. Next, type in the name of the number you wish to store. Then press the Enter button. Use the Delete button to delete the number to be edited. If there is no number stored type in the number you wish to store. Press Enter once again. The number has now been stored into the M1 button. The menu will advance to the next memory location - MemDial 2. (NOTE: To enter a space, press "1").
2. Repeat these steps to program MemDial 2.
3. To view the saved records under the Memory Dial buttons, you have to press MENU, then DOWN key twice to arrive at "View MemDial" submenu. Pressing the memory keys from standby (or while on a call) will dial the numbers directly without further prompting (one-touch dial).

Figure 13

Figure 14

Figure 15

Figure 16

Figure 17

Figure 18

Figure 19

Figure 20

Figure 21

Figure 22

Figure 23

Figure 24

Figure 25

Figure 26

Figure 27

Figure 28

Figure 29

SECTION 12

IMPORTANT SAFETY INSTRUCTIONS

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons including the following:

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on the telephone.
3. Do not use this telephone near a bathtub, wash basin, kitchen sink or laundry tub, in a wet basement, near a swimming pool or any where else there is water.
4. Avoid using a telephone (other than a cordless type) during a storm. There may be a remote risk of electrical shock from lightning.
5. Do not use the telephone to report a gas leak in the vicinity of the leak.
6. Unplug this telephone from the wall outlets before cleaning. Do not use liquid cleaners or aerosol cleaners on the telephone. Use a damp cloth for cleaning.
7. Place this telephone on a stable surface. Serious damage and/or injury may result if the telephone falls.
8. Do not cover the slots and openings on this telephone. This telephone should never be placed near or over a radiator or heat register. This telephone should not be placed in a built-in installation unless proper ventilation is provided.
9. Operate this telephone using the electrical voltage as stated on the base unit or the owner's manual. If you are not sure of the voltage in your home, consult your dealer or local power company.
10. Do not place anything on the power cord. Install the telephone where no one will step or trip on the cord.
11. Do not overload wall outlets or extension cords as this can increase the risk of fire or electrical shock.
12. Never push any objects through the slots in the telephone. They can touch dangerous voltage points or short out parts that could result in a risk of fire or electrical shock. Never spill liquid of any kind on the telephone.

SECTION 13

IMPORTANT SAFETY INSTRUCTIONS

13. To reduce the risk of electrical shock, do not take this phone apart. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
14. Unplug this product from the wall outlet and refer servicing to the manufacturer under the following conditions: when the power supply cord or plug is frayed or damaged; if liquid has been spilled into the product; if the telephone has been exposed to rain or water; if the telephone does not operate normally by following the operating instructions. adjust only those controls that are covered by the operating instructions. Improper adjustment may require extensive work by a qualified technician to restore the telephone to normal operation.; if the telephone has been dropped or the case has been damaged; if the telephone exhibits a distinct change in performance.
15. Never install telephone wiring during a lightning storm.
16. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
17. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
18. Use caution when installing or modifying telephone lines.

BATTERY SAFETY INFORMATION

Dispose of used batteries according to the instructions.

1. Do not dispose of the battery in a fire as it may explode. Check with local codes for possible special disposal instructions.
2. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes and skin. It may be toxic if swallowed.
3. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets and keys. The battery or conduction material may overheat and cause burns.

SECTION 14

REGULATORY COMPLIANCE

Part 68 of FCC Rules Information

- a) This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.
- b) A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug, RJ11C USOC, is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.
- c) The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company.

For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX.

The digits represented by ## are the REN without a decimal point (e.g., .03 is a REN of 0.3). For earlier products, the REN is separately shown on the label.

- d) If this telephone equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

SECTION 15

REGULATORY COMPLIANCE

Part 68 of FCC Rules Information

- e) The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.
- f) If trouble is experienced with this telephone equipment, for repair or warranty information, please contact ActiveForever, 1-800-377-8033. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

- g) This telephone equipment is not intended to be repaired and it contains no repairable parts. Opening the equipment or any attempt to perform repairs will void the warranty.

- h) Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

- i) If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this telephone equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

- j) This telephone equipment is hearing aid compatible. Customer-Owned Coin/Credit Card Phones:

To comply with state tariffs, the telephone company must be given notification prior to connection. In some states, the state public utility commission, public service commission or corporation commission must give prior approval of connection.

SECTION 16

REGULATORY COMPLIANCE

Part 15 of FCC Rules Information

- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Your equipment has been tested and found to comply with the limits of a Class B digital device, pursuant to Part 15 of FCC rules. These limits are designed to provide reasonable protection against harmful interference in residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation; if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one of the following measures:

1. Where it can be done safely, reorient the receiving television or radio antenna.
2. To the extent possible, relocate the television, radio or other receiver with respect to the telephone equipment. (This increases the separation between the telephone equipment and the receiver.)
3. Connect the telephone equipment into an outlet on a circuit different from that to which the television, radio, or other receiver is connected.
4. Consult the dealer or an experienced Radio/TV Technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

(The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met.)

SECTION 17

REGULATORY COMPLIANCE

Industry Canada Technical Specifications

This product meets the applicable Industry Canada technical specifications.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the company's inside wiring associated with a single line individual service may be extended by means of a certified connector assembly (telephone extension cord). The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations. Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier.

Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION: Users should not attempt to make such connections themselves, but should contact the appropriate electrical inspection authority, or electrician, as appropriate. The Ringer Equivalence Number is an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five.

(The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met.)

CLARITYLOGIC

INTRODUCTION TO CLARITYLOGIC

ClarityLogic is the name of our simplified and easy to use customer support service. While talking to a Clarity representative, the telephone sends information such as its model name and settings to Clarity. The representative is immediately aware of the type and current settings of the phone. This will allow any troubleshooting call to be quick and simple, helping you find exactly what you are looking for.

For your convenience, Clarity has pre-programmed the customer support number into M1 of the phone. If you do not wish to have this number stored in your phone, any new number can be programmed to that button. To do this, follow the directions in the MEMORY STORAGE section of the User Guide.

NOTE: ClarityLogic has been designed to work with plain old telephony service (POTS). If your phone service is provided by a broadband service provider, ClarityLogic may not work.

ONLY CLARITYLOGIC MAY BE DISABLED. ALL OTHER FEATURES WORK AS DESCRIBED IN THIS USER GUIDE.

SUBSCRIPTION DATA AND PRIVACY POLICY

Your device will automatically send Clarity various types of information as part of the Clarity services, which may include the telephone number associated with your device. This information may be combined with account and other information we have on record regarding you or your device or may be transmitted to us by your device. To assist with remote diagnostics and other customer services functions, your device may also regularly send us certain information associated with your device, including software and hardware settings, the phonebook, caller ID history and other information you have stored on the device. All of such information, together with other information that we have on record regarding you and your device is collectively referred to as the "Subscription Data". We use this information to diagnose and troubleshoot any device issues as well as to provide you with the Services.

You agree that Clarity and its subsidiaries, affiliates, partners, suppliers, and agents (collectively, "Affiliates") may collect, store, access, disclose, transmit, process, and otherwise use your Subscription Data to provide you with the Clarity services, address your requests, provide technical support, process transactions for your account, and otherwise use such Subscription Data in accordance with Clarity's privacy policy (<http://www.clarityproducts.com/privacy.asp>), which is hereby incorporated by reference. Clarity may also provide or enable certain Services through your Device that rely upon location information. In order to provide such Services, Clarity and its Affiliates may collect, store, access, disclose, transmit, process, and otherwise use your location data (including real time geographic information) in accordance with Clarity's privacy policy.

SECTION 18

WARRANTY SERVICE INFORMATION

The following warranty and service information applies only to products purchased and used in the U.S. and Canada. For warranty information in other countries, please contact your local retailer or distributor.

Limited Warranty: Clarity, a division of Plantronics, Inc. ("Clarity") warrants to the original consumer purchaser that, except for limitations and exclusions set forth below, this product shall be free from defects in materials and workmanship for a period of one (1) year from the date of original purchase ("Warranty Period"). The obligation of Clarity under this warranty shall be at Clarity's option, without charge, of any part or unit that proves to be defective in material or workmanship during the Warranty Period.

Exclusions from Warranty: This warranty applies only to defects in factory materials and factory workmanship. Any condition caused by accident, abuse, misuse or improper operation, violation of instructions furnished by Clarity, destruction or alteration, improper electrical voltages or currents, or repair or maintenance attempted by anyone other than Clarity or an authorized service center, is not a defect covered by this warranty. Telephone companies manufacture different types of equipment and Clarity does not warrant that its equipment is compatible with the equipment of a particular phone company.

Implied Warranties: Under state law, you may be entitled to the benefit of certain implied warranties. These implied warranties will continue in force only during the warranty period. Some states do allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Incidental or Consequential Damages: Neither Clarity nor your retail dealer or selling distributor has any responsibility for any incidental or consequential damages including without limitation, commercial loss or profit, or for any incidental expenses, expenses, loss of time, or inconvenience. Some states do not allow exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you.